



Date: January 20, 2015

To: Thomas J. Bonfield, City Manager
Through: Wanda S. Page, Deputy City Manager
From: Kerry L. Goode, CIO/Director of Technology Solutions
Subject: Network Infrastructure Improvements (NWN Corporation)

Executive Summary

This item has been prepared to recommend an agreement with NWN Corporation for the installation and maintenance of new LANS hardware in all City Facilities. The network infrastructure improvements are to be funded through transfers from enterprise funds, a transfer from the Water Capital Fund, and a transfer from the General Fund.

The City of Durham Metropolitan Area Network (MAN) infrastructure equipment within facilities (Local Area Networks (LANs) hardware) is near end of life and is in need of replacement (desk phones, network switches, and wireless access points). This infrastructure replacement will also provide enhancements and increase capabilities to meet the needs of the City. The City of Durham will enter into a contract with NWN Corporation (the Vendor) to provide hardware, software, and professional services to upgrade the soon-to-be unsupported network switches, desk phones, and wireless access points.

Recommendation

Staff recommends that City Council:

- 1) Adopt an ordinance amending the General Capital Improvement Project Ordinance, Fiscal Year 2014-2015, as amended, the same being Ordinance # 14623 for the purpose of adding funding in the amount of \$895,000.00 for the Network Infrastructure project;
- 2) Authorize the City Manager to execute a Contract with NWN Corporation, not to exceed \$895,000.00, to install new LANs hardware in all City facilities.

Background

The City of Durham currently has LANs infrastructure (desk phones, switches, and wireless access points), that is near end of life and needs to be replaced. The goal is to replace the older unmanaged access points with new managed access points.

The desk phones are aging and are not supported by Cisco. If they are not replaced, we will not be able to use the new phone system functionality.

The new infrastructure will also provide the capability to increase broadband capacity up to Gigabit speed to the desktop computer when needed.

Issues/Analysis

The current LANs infrastructure equipment is near end of life and will not be supported in the near future. Due to the increased traffic on the existing wireless access points, mobile devices are being impacted by slowdowns and lock-ups.

Future applications will require greater bandwidth. By installing this network upgrade, it will create a foundation for future bandwidth intensive applications.

Alternatives

There is no viable alternative.

Financial Impact

The City will fund the Network Infrastructure project through a \$146,961 transfer from the General Fund, \$737,762 from excess funds in the Water Capital Fund and the remaining \$10,277 of the project from other enterprise funds to the Network Infrastructure capital improvement project (N0004). The project was approved and funded as a new initiative for FY15. The contract with the vendor provides for a not to exceed amount of \$895,000 for the project.

SDBE Summary

The Department of Equal Opportunity/Equity Assurance reviewed the bid submitted by **NWN Corporation** and has determined that they are in compliance with the Ordinance to Promote Equal Opportunities in City Contracting.

SDBE Requirements

There were no SDBE firms to provide this service.

Workforce Statistics

The workforce statistics for **NWN Corporation** are as follows:

Total Workforce	77	100%
Total Females	17	22%
Total Males	60	78%
Black Males	1	1%
White Males	55	71%
Other Males	4	5%
Black Females	1	1%
White Females	15	21%
Other Females	1	1%